

Serial Number: 09/876,478

CRF Processing Date: 6/27/2001

Edited by: h

Verified by: h

(STIC staff)

**ENTERED**

☐

Changed a file from non-ASCII to ASCII

☐

Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐

Edited a format error in the Current Application Data section, specifically:

☐

Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_

☐

Added the mandatory heading and subheadings for "Current Application Data".

☐

Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐

Changed the spelling of a mandatory field (the headings or subheadings), specifically:

☐

Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

☐

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

☐

Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐

Inserted colons after headings/subheadings. Headings edited included:

☐

Deleted extra, invalid, headings used by an applicant, specifically:

☐

Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_

☐

Inserted mandatory headings, specifically: \_\_\_\_\_

☐

Corrected an obvious error in the response, specifically:

☐

Edited identifiers where upper case is used but lower case is required, or vice versa.

☐

Corrected an error in the Number of Sequences field, specifically:

☐

A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐

Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_

☒

Other:

Corrected spelling of Artificial

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/876,478

DATE: 06/27/2001

TIME: 15:32:32

Input Set : A:\ES.txt

Output Set: N:\CRF3\06272001\I876478.raw

6 &lt;110&gt; APPLICANT: Peyman, John A.

8 &lt;120&gt; TITLE OF INVENTION: Interferon-Suppressing Placental Lactogen Peptides

10 &lt;130&gt; FILE REFERENCE: 1101

W--&gt; 12 &lt;140&gt; CURRENT APPLICATION NUMBER: US/09/876,478

12 &lt;141&gt; CURRENT FILING DATE: 2001-06-07

14 &lt;150&gt; PRIOR APPLICATION NUMBER: 60/210,082

16 &lt;151&gt; PRIOR FILING DATE: 2000-06-07

18 &lt;160&gt; NUMBER OF SEQ ID NOS: 16

20 &lt;170&gt; SOFTWARE: MS-DOS

24 &lt;210&gt; SEQ ID NO: 1

26 &lt;211&gt; LENGTH: 789

28 &lt;212&gt; TYPE: DNA

30 &lt;213&gt; ORGANISM: HOMO SAPIENS

32 &lt;220&gt; FEATURE:

34 &lt;221&gt; LOCATION:

36 &lt;223&gt; OTHER INFORMATION: hPL(1-28) cDNA

38 &lt;400&gt; SEQUENCE: 1

40 ctgttgacag ctcacctagc ggcaatggct gcaggctccc ggacgtccct 50  
 42 gctcctggct ttgcccctgc tctgctgcc ctggcttcaa gaggctggtg 100  
 44 cgttccaaac cgttccgtta tccaggcttt ttgaccacgc tatgtccaa 150  
 46 gcccctcgcg cgcaccagct ggccattgac acctactagg agtttgaaga 200  
 48 aacctatata ccaaaggacc agaagtattc attcctgcat gactcccaga 250  
 50 cctccttctg cttctcagac tctattccga caccctccaa catggaggaa 300  
 52 acgcaacaga aatccaatct agagctgctc cgcattcccc tgctgctcat 350  
 54 cgaatcgttg ctggagcccg tgcggttctt caggaatatg ttccccaaca 400  
 56 acctagtgtg tgacacctcg gacagcgatg actatcacct cctaaaggac 450  
 58 cttagaggaag gcatccaaac gctgatgggg aggctggaag acggcagccg 500  
 60 ccggaactggg cagatcctca agcagacctc cagcaagttt gacacaaact 550  
 62 cgcacaacca tgacgcactg ctcaagaact acgggctgct ctactgctc 600  
 64 aggaaggaca tggacaaggt cgagacattc ctgcgcattg tgcagtgccg 650  
 66 ctctgtggag ggcagctgtg gcttctaggt gccgcgctgg catcctgtga 700  
 68 ccgacccctc cccagtgcct ctctggccc ctggaagggt ccaactcagt 750  
 70 cccatcagcc ttgtcctaataaaaattaagt tgtatcacc 789

74 &lt;210&gt; SEQ ID NO: 2

76 &lt;211&gt; LENGTH: 54

78 &lt;212&gt; TYPE: PRT

80 &lt;213&gt; ORGANISM: HOMO SAPIENS

82 &lt;220&gt; FEATURE:

84 <223> OTHER INFORMATION: hPL(1-28) signal sequence and secreted peptide, or N-terminal  
54 residues

85 of hPL-3

87 &lt;400&gt; SEQUENCE: 2

89 Met Ala Ala Gly Ser Arg Thr Ser Leu Leu Ala Phe Ala Leu  
 90 5 10 15  
 92 Leu Cys Leu Pro Trp Leu Gln Glu Ala Gly Ala Val Gln Thr Val  
 93 20 25 30  
 95 Pro Leu Ser Arg Leu Phe Asp His Ala Met Leu Gln Ala His Arg  
 96 35 40 45

Does Not Comply  
Corrected Fokette Needed

p4

## RAW SEQUENCE LISTING

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Input Set : A:\ES.txt

Output Set: N:\CRF3\06272001\I876478.raw

```

98 Ala His Gln Leu Ala Ile Asp Thr Tyr
99                               50
103 <210> SEQ ID NO: 3
105 <211> LENGTH: 54
107 <212> TYPE: PRT
109 <213> ORGANISM: HOMO SAPIENS
111 <220> FEATURE:
113 <223> OTHER INFORMATION: N-terminal 54 residues of hPL-4
115 <400> SEQUENCE: 3
117 Met Ala Pro Gly Ser Arg Thr Ser Leu Leu Leu Ala Phe Ala Leu
118                               5              10              15
120 Leu Cys Leu Pro Trp Leu Gln Glu Ala Gly Ala Val Gln Thr Val
121                               20              25              30
123 Pro Leu Ser Arg Leu Phe Asp His Ala Met Leu Gln Ala His Arg
124                               35              40              45
127 Ala His Gln Leu Ala Ile Asp Thr Tyr
128                               50
132 <210> SEQ ID NO: 4
134 <211> LENGTH: 28
136 <212> TYPE: PRT
138 <213> ORGANISM: HOMO SAPIENS
140 <220> FEATURE:
142 <223> OTHER INFORMATION: hPL(1-28) peptide
144 <400> SEQUENCE: 4
146 Val Gln Thr Val Pro Leu Ser Arg Leu Phe Lys Glu Ala Met Leu
147                               5              10              15
149 Gln Ala His Arg Ala His Gln Leu Ala Ile Asp Thr Tyr
150                               20              25
154 <210> SEQ ID NO: 5
156 <211> LENGTH: 162
158 <212> TYPE: DNA
160 <213> ORGANISM: HOMO SAPIENS
162 <220> FEATURE:
164 <223> OTHER INFORMATION: cDNA construct coding for signal sequence and secreted
peptide of hPL(1-
165      28)
167 <400> SEQUENCE: 5
169 atggetccag gtccecgag gtcctgtctc ctggcttttg cctgtctctg      50
171 cctgccctgg ctccaagagg ctggtgccgt ccaaaccggt ccgttatcca      100
173 ggccttttga ccaagctatg ctccaagccc atcgcgcgca ccagctggcc      150
175 attgacacct ac                                          162
179 <210> SEQ ID NO: 6
181 <211> LENGTH: 54
183 <212> TYPE: PRT
185 <213> ORGANISM: HOMO SAPIENS
187 <220> FEATURE:
189 <223> OTHER INFORMATION: N-terminal 54 residues of hPL-4
191 <400> SEQUENCE: 6
193 Met Ala Ala Gly Ser Arg Thr Ser Leu Leu Leu Ala Phe Ala Leu
194                               5              10              15

```

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```

196 Leu Cys Leu Pro Trp Leu Gln Glu Ala Gly Ala Val Gln Thr Val
197                      20                      25                      30
199 Pro Leu Ser Arg Leu Phe Lys Glu Ala Met Leu Gln Ala His Arg
200                      35                      40                      45
202 Ala His Gln Leu Ala Ile Asp Thr Tyr
203                      50

```

```

207 <210> SEQ ID NO: 7
209 <211> LENGTH: 28
211 <212> TYPE: PRT
213 <213> ORGANISM: HOMO SAPIENS
215 <220> FEATURE:
217 <223> OTHER INFORMATION: hPL-1(1-28) peptide
219 <400> SEQUENCE: 7

```

```

221 Val Gln Thr Val Pro Leu Ser Arg Leu Phe Lys Glu Ala Met Leu
222                      5                      10                      15
224 Gln Ala His Arg Ala His Gln Leu Ala Ile Asp Thr Tyr
225                      20                      25

```

```

229 <210> SEQ ID NO: 8
231 <211> LENGTH: 162
233 <212> TYPE: DNA
235 <213> ORGANISM: HOMO SAPIENS
237 <220> FEATURE:
239 <223> OTHER INFORMATION: cDNA construct coding for signal sequence and secreted
peptide of hPL-1(1-

```

```

240      28)
242 <400> SEQUENCE: 8
244 atgqctgcag gctcccgac gtcctgctc ctggttttg cctgctctg      50
246 cctgccctgg cttcaagagg ctggtgccgt ccaaaccgtt cccttatcca      100
248 ggttttttaa agagctatgc tccaagccc atcgcgacaca ccagctggcc      150
250 attgacacct ac                                     162

```

```

254 <210> SEQ ID NO: 9
256 <211> LENGTH: 87
258 <212> TYPE: DNA
260 <213> ORGANISM: HOMO SAPIENS
262 <220> FEATURE:
264 <223> OTHER INFORMATION: hPL(1-28) 87-mer oligo
266 <400> SEQUENCE: 9

```

```

268 atggtccag gctcccgac gtcctgctc ctggttttg cctgctctg      50
270 cctgccctgg cttcaagagg ctggtgccgt ccaaacc                                     87

```

```

274 <210> SEQ ID NO: 10
276 <211> LENGTH: 85
278 <212> TYPE: DNA
280 <213> ORGANISM: HOMO SAPIENS
282 <220> FEATURE:
284 <223> OTHER INFORMATION: hPL(1-28) 85-mer oligo
286 <400> SEQUENCE: 10

```

```

288 gtaggtgtca atggccagct ggtgcgcgcg atgggcttgg agcatagcgt      50
290 ggtcaaaaag cctggataac ggaacggttt ggacg                                     85

```

```

294 <210> SEQ ID NO: 11
296 <211> LENGTH: 85

```

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Input Set : A:\ES.txt

Output Set: N:\CRF3\06272001\I876478.raw

298 <212> TYPE: DNA  
 300 <213> ORGANISM: HOMO SAPIENS  
 302 <220> FEATURE:  
 304 <223> OTHER INFORMATION: hPL-1(1-28) 85-mer oligo  
 306 <400> SEQUENCE: 11  
 308 gtaagtgtca atggccagct ggtgtgcgcg atgggcttgg agcatagcct 50  
 310 ctlttaaaaag cctggataag ggaacggttt ggaag 85  
 314 <210> SEQ ID NO: 12  
 316 <211> LENGTH: 24  
 318 <212> TYPE: DNA *ARTIFICIAL*

C--> 320 <213> ORGANISM: ARTIFICIAL SEQUENCE

322 <220> FEATURE:  
 324 <223> OTHER INFORMATION: pSH4-1  
 326 <400> SEQUENCE: 12  
 328 gatgttgccctt taattctag gcct 24  
 332 <210> SEQ ID NO: 13  
 334 <211> LENGTH: 24  
 336 <212> TYPE: DNA

C--> 338 <213> ORGANISM: ARTIFICIAL SEQUENCE

340 <220> FEATURE:  
 342 <223> OTHER INFORMATION: pSH4-2  
 344 <400> SEQUENCE: 13  
 346 aactcatcaa tgtatcttat catg 24  
 350 <210> SEQ ID NO: 14  
 352 <211> LENGTH: 54  
 354 <212> TYPE: PRT  
 356 <213> ORGANISM: HOMO SAPIENS  
 358 <220> FEATURE:

360 <223> OTHER INFORMATION: N-TERMINAL 54 RESIDUES OF HGH-1  
 362 <400> SEQUENCE: 14

364 Met Ala Thr Gly Ser Arg Thr Ser Leu Leu Leu Ala Phe Gly Leu  
 365 5 10 15  
 367 Leu Cys Leu Pro Trp Leu Gln Glu Gly Ser Ala Phe Pro Thr Ile  
 368 20 25 30  
 370 Pro Leu Ser Arg Leu Phe Asp Asn Ala Ser Leu Arg Ala His Arg  
 371 35 40 45  
 373 Leu His Gln Leu Ala Phe Asp Thr Tyr  
 374 50

378 &lt;210&gt; SEQ ID NO: 15

380 &lt;211&gt; LENGTH: 56

382 &lt;212&gt; TYPE: PRT

384 &lt;213&gt; ORGANISM: HOMO SAPIENS

386 &lt;220&gt; FEATURE:

388 &lt;223&gt; OTHER INFORMATION: N-TERMINAL 56 RESIDUES OF HGH-V

390 &lt;400&gt; SEQUENCE: 15

392 Met Ala Ala Gly Ser Arg Thr Ser Leu Leu Leu Ala Phe Gly Leu  
 393 5 10 15  
 395 Leu Cys Leu Ser Trp Leu Gln Glu Gly Ser Ala Phe Pro Thr Ile  
 396 20 25 30

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Input Set : A:\ES.txt

Output Set: N:\CRF3\06272001\I876478.raw

398 Pro Leu Ser Arg Leu Phe Asp Asn Ala Ser Leu Arg Ala Arg Asp  
399                   35                   40                   45  
401 Leu Phe Asp Arg Ala Val Val Leu Ser His Tyr  
402                   50                   55  
406 <210> SEQ ID NO: 16  
408 <211> LENGTH: 56  
410 <212> TYPE: PRT  
412 <213> ORGANISM: HOMO SAPIENS  
414 <220> FEATURE:  
416 <223> OTHER INFORMATION: N-TERMINAL 56 RESIDUES OF HPRL  
418 <400> SEQUENCE: 16  
420 Met Asn Ile Lys Gly Ser Pro Trp Lys Gly Ser Leu Leu Leu Leu  
421                   5                   10                   15  
423 Leu Val Ser Asn Leu Leu Leu Cys Gln Ser Val Ala Pro Leu Pro  
424                   20                   25                   30  
426 Ile Cys Pro Gly Gly Ala Ala Arg Cys Gln Val Thr Leu Arg Asp  
427                   35                   40                   45  
429 Leu Phe Asp Arg Ala Val Val Leu Ser His Tyr  
430                   50                   55

## VERIFICATION SUMMARY

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Input Set : A:\ES.txt

Output Set: N:\CRF3\06272001\I876478.raw

L:12 M:282 W: Numeric Field Identifier Missing, &lt;140&gt; CURRENT APPLICATION NUMBER: is Added.

L:320 M:220 C: Keyword misspelled or invalid format, &lt;213&gt; ORGANISM for SEQ ID#:12

L:338 M:220 C: Keyword misspelled or invalid format, &lt;213&gt; ORGANISM for SEQ ID#:13